IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	)
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Bonjour	)
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Serial No.:	)
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Filed: Herewith	)
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For: PROCESS FOR TESTING A	)
SWITCHING SYSTEM, AND	)
INSERTION DEVICE USEABLE	)
IN THIS PROCESS	)
	)
Group Art Unit: none	)
	)
Examiner: not yet assigned	)
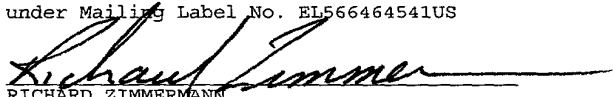
PRELIMINARY AMENDMENT

Commissioner of Patents
Washington, DC 20231

Sir:

Prior to consideration of the above-referenced application, please enter the following amendments and consider the following remarks.

IN THE CLAIMS:

Amended Version of Claims

Please amend claims 1-12 as follows:

1. (Amended) Process for testing switching system receiving data units according to a point-to-point transmission interface format originating from an external network facility, the data units transporting packets of a higher layer protocol, the process comprising the steps of:

- processing first data units originating from the external network facility so as to recover first packets transported by the first data units;

- test generating traffic carried by second packets of said higher layer protocol;

- multiplexing the first and second packets so as to form a stream of multiplexed packets;

- converting the stream of multiplexed packets into second data units according to said point-to-point transmission interface format; and

- transmitting the second data units to the switching system.

2. (Amended) Process according to claim 1, wherein the generation of the test traffic comprises producing a stream of data units according to a interface format transporting said second packets; and processing said stream of data units so as to recover the second packets.

3. (Amended) Process according to claim 2, wherein said specified interface format is distinct from said point-to-point transmission interface format.

4. (Amended) Process according to claim 1, further comprising the step of setting states of the switching system

by means of the first packets by way of the external network facility.

5. (Amended) Process according to claim 1, wherein the switching system is linked to several external network facilities and states of the switching system are set by way of at least one of said external network facilities.

6. (Amended) Process according to claim 1, wherein said higher layer protocol is an IP protocol.

7. (Amended) Process according to claim 1, further comprising the step of performing an arbitration between the first and second packets before multiplexing.

8. (Amended) Device for inserting traffic comprising first and second interface modules supporting a point-to-point transmission interface format for transferring data units transporting packets of a higher layer protocol, the first interface module being arranged to receive first data units originating from a network facility and the second interface module being arranged to send second data units to a switching system, the device further comprising multiplexing means for forming a stream of multiplexed packets comprising first packets recovered by the first interface module from the first data units and second packets of said higher layer protocol carrying additional traffic, the second data units being produced by the second interface module on the basis of the stream of multiplexed packets.

9. (Amended) Device according to claim 8, further comprising a third interface for receiving a stream of data units according to a specified interface format originating from an external traffic source and recovering said second packets from said stream of data units.

10. (Amended) Device according to claim 9, wherein said specified interface format is distinct from said point-to-point transmission interface format.

11. (Amended) Device according to claim 8, incorporated into a traffic source generating the second packets carrying said additional traffic.

12. (Amended) Device according to claim 8, wherein said higher layer protocol is an IP protocol.

Remarks

The foregoing amendments are presented to eliminate multiple dependencies in the claims and to clarify the subject matter for which protection is sought. The amendments presented herein do not narrow the scope of such claims.
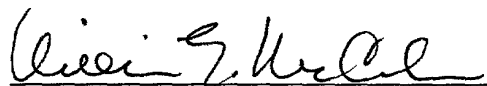
An early and favorable action on the merits is respectfully requested.

Respectfully submitted,

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<u>VERSION WITH MARKINGS TO SHOW CHANGES MADE</u>

<u>In the claims</u>:

Claims 1-12 have been amended as follows:

1. Process for testing [a] switching system [(SET)]
receiving data units according to a point-to-point
transmission interface format originating from an external
network facility [(C1)], the data units transporting packets
of a higher layer protocol, [in which] <u>the process comprising
the steps of</u>:
    <u>-</u> <u>processing</u> first data units originating from the
external network facility [are processed] so as to recover
first packets transported by the first data units[,]<u>;</u>
    <u>-</u> test <u>generating</u> traffic carried by second packets of
[the] said higher layer protocol<u>;</u> [is generated]
    <u>-</u> <u>multiplexing</u> the first and second packets [are
multiplexed] so as to form a stream of multiplexed packets[,]<u>;</u>
    <u>-</u> <u>converting</u> the stream of multiplexed packets [is
converted] into second data units according to [the] said
point-to-point transmission interface format[,]<u>;</u> and
    <u>-</u> <u>transmitting</u> the second data units [are transmitted]
to the switching system.

2. Process according to [Claim] <u>claim</u> 1, [in which]
<u>wherein</u> the generation of the test traffic comprises [the
production of] <u>producing</u> a stream of data units according to a
interface format[,] transporting [the] said second packets[,]<u>;</u>
and [a] processing [of the] said stream of data units so as to
recover the second packets.

3. Process according to [Claim] <u>claim</u> 2, [in which
the] <u>wherein</u> said specified interface format is distinct from
[the] said point-to-point transmission interface format.

4. Process according to [any one of the preceding claims, in which] claim 1, further comprising the step of setting states of the switching system [(SET) are controlled] by means of the first packets by way of the external network facility [(C1)].

5. Process according to [any one of Claims 1 to 3,] claim 1, wherein the switching system [(SET)] is linked to several external network facilities [(C1, C2)] and states of the switching system are [controlled] set by way of at least one of [the] said external network facilities.

6. Process according to [any one of the preceding claims, in which the] claim 1, wherein said higher layer protocol is an IP protocol.

7. Process according to [any one of the preceding claims, in which] claim 1, further comprising the step of performing an arbitration [is performed] between the first and second packets before [their] multiplexing.

8. Device for inserting traffic comprising first and second interface modules [(1, 3)] supporting a point-to-point transmission interface format for transferring data units transporting packets of a higher layer protocol, the first interface module [(1)] being [provided so as] arranged to receive first data units originating from a network facility [(C1)] and the second interface module [(3)] being [provided so as] arranged to send second data units to a switching system [(SET)], the device [(INS) furthermore] further comprising multiplexing means [(4)] for forming a stream of multiplexed packets comprising first packets recovered by the first interface module from the first data units and second packets of [the] said higher layer protocol carrying additional traffic, the second data units being produced by

the second interface module on the basis of the stream of multiplexed packets.

9. Device according to [Claim] claim 8, further comprising a third interface [(2)] for receiving a stream of data units according to a specified interface format originating from an external traffic source [(SDT)] and recovering [the] said second packets from [the] said stream of data units.

10. Device according to [Claim] claim 9, [in which the] wherein said specified interface format is distinct from [the] said point-to-point transmission interface format.

11. Device according to [Claim] claim 8, incorporated into a traffic source generating the second packets carrying [the] said additional traffic.

12. Device according to [any one of Claims 8 to 11, in which the] claim 8, wherein said higher layer protocol is an IP protocol.